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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/849,193

05/20/2004

Jin-Woo Park

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EXAMINER

WILLIAMS, JOSEPH L

ART UNIT

PAPER NUMBER

2879

MAIL DATE

DELIVERY MODE

10/18/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/849,193

Applicant(s)

PARK ET AL.

Examiner

Joseph L. Williams

Art Unit

2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 02 August 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 9/07.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application
- ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Allowable Subject Matter*

1. The indicated allowability of claims 1-13 is withdrawn in view of the newly discovered reference(s) to Senbonmatsu (US 2004/0070809). Rejections based on the newly cited reference(s) follow.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 2, 8, and 9 are rejected under 35 U.S.C. 102(e) as being anticipated by Senbonmatsu (US 2004/0070809 A1), of record by Applicant.

Regarding claim 1, Senbonmatsu ('809) teaches in figure 2 and the corresponding text a double-sided light emitting device comprising: lower (1) and upper (glass plate sealing structure (3)) substrates; an emission element (2) formed between an inner surface of the upper substrate and an inner surface of the lower substrate and emitting predetermined light; an upper layer of polarizing material (5) disposed on at least one of inner and outer surfaces of the upper substrate; and a lower layer of polarizing material (4) disposed on at least one of inner and outer surfaces of the lower substrate, wherein the upper and lower layers of polarizing material are disposed so

that polarization axes of the upper and lower layers of polarizing material are perpendicular to each other.

Regarding claim 2, Senbonmatsu ('809) teaches the lower and upper layers of polarizing material are coating layers coated on the outer surfaces of the lower and upper substrates, respectively.

Regarding claim 8, Senbonmatsu ('809) teaches a double-sided light emitting device comprising: lower (1) and upper substrates (3); an emission element (2) formed between an inner surface of the upper substrate and an inner surface of the lower substrate and emitting predetermined light; an upper polarizing plate (4) disposed on any one of inner and outer surfaces of the upper substrate; and a lower polarizing plate (4) disposed on any one of inner and outer surfaces of the lower substrate, wherein the upper and lower polarizing plates have polarization axes disposed to be perpendicular to each other.

Regarding claim 9, Senbonmatsu ('809) teaches the lower and upper polarizing plates are polarizing films bonded on the inner surfaces of the lower and upper substrates, respectively.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 3-7 and 10-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Senbonmatsu (US 2004/0070809 A1), of record by Applicant.

Regarding claims 3-6 and 10-12, Senbonmatsu ('809) teaches all of the claimed limitations except for the varying mix and match placement of the polarizing material (or plates) around the substrates.

Further regarding claims 3-6 and 10-12, the Applicant has not disclose any criticality to the different placements around the substrates, and therefore the varying locations appear to be an obvious choice in design since Senbonmatsu ('809) teaches at least one of the placements (see claims 1 and 8 above).

Hence, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the structure of Senbonmatsu ('809) for the purpose of providing a small double-sided EL display. The exact placement of the polarizing layer is an obvious choice in design.

Regarding claims 7 and 13, Senbonmatsu ('809) teaches all of the claimed limitations except for the claimed thickness of the polarizing layer.

Further regarding claims 7 and 13, Senbonmatsu ('809) teaches that the device is to be as small as possible and thus the thickness of the layer is an obvious choice in design.

Hence, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the structure of Senbonmatsu ('809) for the purpose of providing a small double-sided EL display. The exact thickness of the polarizing layer is an obvious choice in design.

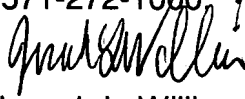
Art Unit: 2879

**Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph L. Williams whose telephone number is (571) 272-2465. The examiner can normally be reached on M-F (6:30 AM-3:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
Joseph L. Williams  
Primary Examiner  
Art Unit 2879